Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-12-11-53 **Date: 16/08/2017**

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Providing CC Retaining wall at NH service road SSM retaining wall at near Metro station in ward no. 15

Agency : Sri. Shrirama Reddy, No. 62 Behind Widia, Ashoka nagar, Nagasandra, Bangalore-73

Customer's Reference : ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಆ/ /2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 11-08-2017

Sample ID No : 2018-12-11-53 /03

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/08/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	09/08/2017	16/08/2017	150.48 X 150.61 X 150.39	22664	8.312	269.7	11.9	12.1
2	PCC	M15	09/08/2017	16/08/2017	150.56 X 150.46 X 150.47	22653	8.331	276.4	12.2	
3	PCC	M15	09/08/2017	16/08/2017	150.32 X 150.45 X 150.48	22616	8.345	278.2	12.3	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Quality Manager

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Certificate No : TC- 5666

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 06/09/2017

Lab ID	:	**CP-2018-12-11-53**
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Providing CC Retaining wall at NH service road SSM retaining wall at near Metro station in ward no 15
Agency	:	Sri. Shrirama Reddy, No. 62 Behind Widia, Ashoka nagar, Nagasandra, Bangalore-73
Customer's Reference	:	ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಆ/ /2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-08-2017
Sample ID No	:	2018-12-11-53 /04
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/09/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	09/08/2017	06/09/2017	150.52 X 150.55 X 150.44	22661	8.312	392.0	17.3	17.3
2	PCC	M15	09/08/2017	06/09/2017	150.36 X 150.44 X 150.51	22620	8.331	380.0	16.8	
3	PCC	M15	09/08/2017	06/09/2017	150.42 X 150.46 X 150.54	22632	8.345	402.9	17.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TT/01

Lab ID	:	CP-2018-12-11-53
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Providing CC Retaining wall at NH service road SSM retaining wall at near Metro station in ward no. 15
Agency	:	Sri. Shrirama Reddy, No. 62 Behind Widia, Ashoka nagar, Nagasandra, Bangalore-73
Customer's Reference	:	ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಆ/ /2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-08-2017
Sample ID No	:	2018-12-11-53 /01
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date: 16/08/2017

Date of test : 16/08/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	09/08/2017	16/08/2017	150.43 X 150.52 X 150.38	22643	8.312	283.0	12.5	12.5
2	PCC	M15	09/08/2017	16/08/2017	150.46 X 150.54 X 150.48	22650	8.331	289.9	12.8	
3	PCC	M15	09/08/2017	16/08/2017	150.31 X 150.55 X 150.38	22629	8.345	276.1	12.2	

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Certificate No : TC- 9568

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CPTT/01

Lab ID	:	CP-2018-12-11-53
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Providing CC Retaining wall at NH service road SSM retaining wall at near Metro station in ward no 15
Agency	:	Sri. Shrirama Reddy, No. 62 Behind Widia, Ashoka nagar, Nagasandra, Bangalore-73
Customer's Reference	:	ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಆ/ /2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-08-2017
Sample ID No	:	2018-12-11-53 /02
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	06/09/2017

Date: 06/09/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	09/08/2017	06/09/2017	150.46 X 150.57 X 150.44	22655	8.312	403.3	17.8	17.4
2	PCC	M15	09/08/2017	06/09/2017	150.38 X 150.31 X 150.34	22604	8.331	382.0	16.9	
3	PCC	M15	09/08/2017	06/09/2017	150.46 X 150.54 X 150.35	22650	8.345	394.1	17.4	

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Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2018-12-11-53** **Date: 05-08-2017**

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Providing CC Retaining wall at NH service road SSM retaining wall at near Metro station in ward no. 15

Agency : Sri. Shrirama Reddy, No. 62 Behind Widia, Ashoka nagar, Nagasandra, Bangalore-73

Customer's Reference : ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಆ/ /2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 03-08-2017

Sample ID No : 2018-12-11-53 /03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 03-08-2017

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	38	38	3.8	96.2	90-100	90-100	90-100	95-100
3	2.36 mm	154	192	19.2	80.8	60-95	75-100	85-100	95-100
4	1.18 mm	202	394	39.4	60.6	30-70	55-90	75-100	90-100
5	600 micron	193	587	58.7	41.3	15-34	35-59	60-79	80-100
6	300 micron	183	770	77.0	23.0	5-20	8-30	12-40	15-50
7	150 micron	141	911	91.1	8.9	0-10	0-10	0-10	0-15
8	Pan	89	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2018-12-11-53** **Date: 05-08-2017**

Sample ID No : 2018-12-11-53 /03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.31	_
2	Specific Gravity	2.53	_
3	Material finer than 75 micron(%)	7.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

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